# KENTUCKY

### STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM (STIP) For FY 2005-2007

## AMENDMENT #2004.062

### I. Proposed Action:

The Kentucky Transportation Cabinet (KYTC) hereby submits the following transportation project activity for inclusion in the FY 2005 element of the FY 2005-2007 STIP:

Location: Lexington Metropolitan Planning Organization

### **Scope of Activity:**

Lexington Metropolitan Planning Organization's Transportation Improvement **Program:** Traffic Operations and Safety. For complete details see the attached TIP amendments information.

### II. Additional Remarks:

This amendment to the FY 2005-2007 STIP is per the Lexington Metropolitan Organization's TIP amendments.

The funding source for the ATMS project identified within the TIP Amendment will be funded out of the \$3 million of NH funding as identified under the Zvarious Item No. 99-66 ITS project on page 72 of the listing of projects in the 2004 STIP.

# III. Amendment Approval:

Amendment Recommended for Approval:

Kentucky Transportation Cabinet

Approval of STIP Amendment:

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Federal Highway Administrati

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### Resolution of the

# Lexington Area Metropolitan Planning Organization (MPO) Transportation Policy Committee to approve the

# Lexington MPO FY 2005—FY 2008 Prinsportation Improvement Program (TIP) Amendment # 3

The Lexington Area MPO, in coordination with the Kentucky Transportation Cabinet, hereby approves amending the Current FY 2005—FY 2008 Lexington Area MPO Transportation Improvement Program (T.I.P) to add or change the following:

**TIP Amendment #:** Amendment # 3: Bluegrass Intelligent Transportation System (BITS), Initial Advanced Transportation Management System (ATMS) Project, SYP 2004 – 99 – 66.00, HIAA – 0004 - 001

**Project Scope:** Traffic Operations: improvement and enhancement of overall operational capabilities.

**Project Description:** Design and installation of an initial ATMS for the I-64/75 combined route in the Bluegrass Region including cameras, detectors, sensors, and related infrastructure.

**Project Location:** Devices will be installed in Clark, Fayette, Madison, Scott, and Woodford Counties.

<u>Purpose of Project</u>: The purpose of this project is to improve motorist and responder safety; improve response to incidents; respond to Amber Alerts; improve travel times; and improve air quality along I-64/75 in the Bluegrass Region. The project strives to achieve this through ATMS, including quicker identification and verification of incidents; assistance to responders; and advanced traveler information to motorists.

The need for this project is to address the following conditions:

- Increasing volumes of traffic
  - Approach volumes of from 30,000 to 49,000 vpd
  - > Combined route volumes of nearly 80,000 vpd
- Growing commercial and special load traffic volume
- 300 plus traffic crashes annually
  - > Potential for secondary crashes
  - > Potential for responder injury
- Delay cost to commercial traffic as well as routine traffic
  - > 1/2 hour delay costs nearly \$ 20,000
- Limited traveler information
- Limited alternate routes

### **Total TIP Amendment Project Costs:**

### I-64-75 Initial ATMS

Item Description	Unit	Unit Price	Quantity	Cost
OCTV Camera, Dome PTZ on Lowering Pole	Each	\$ 65,000.00	4	\$ 260,000.00
CCTV Camera, Dome PTZ on Existing High Mast Lighting	Each	\$ 62,000.00	4	\$ 248,000.00
DMS over-the-road 3x24	Each	\$ 250,000.00	6	\$ 1,500,000.00
Wide-Beam Radar Detector	Each	\$ 15,000.00	8	\$ 120,000.00
Telecommunications	Each	\$ 50,000.00	1	\$ 50,000.00
Systems Integration	Each	\$ 50,000.00	1	\$ 50,000.00
Estimated Cost				\$ 2,228,000.00

### **Project Programming Notes:**

The schedule and costs provided is an estimate. The required coordination will be performed to minimize project impacts. The programmed TIP Amendment #3 has met federal and state regulations; to include Air Quality Conformity and Public Participation requirements as set forth by applicable federal and state regulations. The project is air quality exempt.

Mayor Teresa Ann Isaac, Chairperson

Lexington Area Metropolitan Planning Organization

Date

Lexington Area Metropolitan Planning Organization (MPO) Transportation Policy

Committee brome the

**Lexington MPO FY 2005** 

tation Improvement Program

### **Transportation Policy Committee Meeting** October 27, 2004

The Lexington Area MPO in coordination with the Kentucky Transportation Cabinet is requesting that the Current FY 2005—FY 2008 Lexington Area MPO Transportation Improvement Program (T.I.P) be amended to add or change the following:

TIP Amendment #: Amendment #4: Construct Right-Turn Lane on Southbound US 27 Nicholasville Road at Waveland Lane (Formerly Old Higbee Mill Road).

Purpose of Project (Scope): Safety

Project Description: To construct a right-turn lane on Southbound US 27 at Waveland Lane to improve safety.

**Project Location:** US 27 at Waveland Lane

#### **Total TIP Amendment Project Costs:**

STP - FY 2004 Secretary Discretionary Funding Phase I/II Design and Environmental (STP) = \$110,000 total Design and Environmental = \$10,000 Construction = \$100,000

#### **Tentative Project Schedule:**

Construction -- 2005

### **Project Programming Notes:**

The TIP Amendment #4 has met federal and state regulations; to include Air Quality Conformity and Public Participation requirements as set forth by applicable federal and state regulations. The design/environmental schedule and costs are an estimate. The required coordination will be performed to minimize project impacts and meet all federal, state, and local regulatory requirements.

Teresa Ann Isaac, Chairperson

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